**Centre for In Vivo Imaging Sciences**  
**PhD Project Proposal Template for PhDs starting in 2013**

**Centre (i.e. primary facility/centre/unit to which this studentship will be attached):**  
Clinical Brain Sciences

**First supervisor: contact details**  
Name: Ian Marshall  
Department: Centre for Clinical Brain Sciences  
Address: WGH  
Email: Ian.Marshall@ed.ac.uk  
phone: +44 (0) 131242 6311/6312

**Second supervisor: contact details**  
Name: Malcolm Macleod  
Department: Clinical Neurosciences  
Address: WGH  
Email: malcolm.macleod@ed.ac.uk  
phone: 07786 265166

**Speciality/discipline of first supervisor:** Magnetic Resonance Imaging  
**Speciality/discipline of second supervisor:** Neurology

**PROJECT**

**Title:**  
Determining between- and within- MRI scanner variability in the assessment of infarct size following focal cerebral ischaemia to inform the conduct of multicentre animal studies.

**Likely background of suitable student (eg. Biomedical Science, Cardiovascular Biology, Engineering, Informatics, Image Analysis, Mathematics, Lay, Art, Neuroscience, Medical Physics, Chemistry, Psychology) and essential skills required prior to starting this PhD:**  
Neuroscience or Medical Physics

**Summary of proposed project (approximately 200 words):**
Once completed, please return to
Mrs Moira Henderson – civis.enquiry@ed.ac.uk